

L Number	Hits	Search Text	DB	Time stamp
1	0	("colostrinin").PN.	USPAT; US-PGPUB	2002/08/08 08:30
2	4	colostrinin	USPAT; EPO	2002/08/08 08:44
3	0	colostronin	DERWENT	2002/08/08 08:44
4	307	colostrum	DERWENT	2002/08/08 08:45
5	11	colostrum AND immuno	DERWENT	2002/08/08 08:45
6	7	neural AND colostrum	US-PGPUB	2002/08/08 08:51

=> fil reg

FILE 'REGISTRY' ENTERED AT 08:48:40 ON 08 AUG 2002

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STRUCTURE FILE UPDATES: 7 AUG 2002 HIGHEST RN 443093-92-3

DICTIONARY FILE UPDATES: 7 AUG 2002 HIGHEST RN 443093-92-3

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d que 11

L1 4 SEA FILE=REGISTRY ABB=ON PLU=ON MQPPPLP/SQSP

=> d 11 sqide3 1-4 /11  
L1 IS NOT VALID HERE

=> d 11 sqide3 1-4

L1 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2002 ACS

RN 431430-11-4 REGISTRY

CN Protein (Drosophila melanogaster clone W00171042-SEQID-29322) (9CI) (CA  
INDEX NAME)

OTHER NAMES:

CN 2820: PN: W00171042 SEQID: 29322 claimed protein

FS PROTEIN SEQUENCE

SQL 316

SEQ3 1 Met-Glu-Ser-Gln-Thr-Asn-Leu-Ser-Thr-Gly-  
11 Val-Ser-Thr-Ser-Pro-Ala-Ser-Gly-Leu-Gly-  
21 Ile-Val-Gly-Ile-Leu-Pro-Cys-Ser-Leu-His-  
31 Trp-Gln-Pro-Pro-Gly-Lys-Ala-Pro-Lys-Leu-  
41 Leu-Ser-Tyr-Ser-Ser-Gly-Ala-Arg-Ala-Thr-  
51 Ser-Gln-Pro-Tyr-Ala-Met-Pro-Ala-Ser-Gly-  
61 Asn-Gly-Cys-Cys-Ser-Thr-Arg-Thr-Ala-Gly-  
71 Cys-Cys-Gln-Asp-Cys-Ser-Gly-Tyr-Gln-Gln-  
81 Gly-Tyr-Glu-His-Leu-Pro-Val-Pro-Arg-Leu-  
91 Gln-His-Gln-Gln-Pro-Pro-Pro-Pro-Leu-Tyr-  
101 Gln-Asn-Gln-Gln-Gln-Lys-Gln-Asp-His-Gln-  
111 Gln-Gly-Ser-Cys-Thr-Ser-Thr-Leu-Gln-Gln-  
121 Thr-Thr-Thr-Thr-Thr-Ser-Asn-Cys-Ser-Tyr-  
131 Gly-Asn-Cys-Leu-Met-Pro-Ala-Pro-Ala-Thr-  
141 Thr-Ser-Thr-Tyr-Val-Ser-Asn-Ile-Gly-Thr-  
151 Glu-Pro-Pro-Leu-Leu-Ser-Met-Gln-Tyr-Cys-  
161 Arg-Ser-His-Cys-Asn-Met-Gln-His-Cys-Asn-  
171 Ser-Thr-Gly-Gly-Ser-Asn-Lys-Ala-Pro-Ala-  
181 Ile-Tyr-Asn-Asn-Ile-Pro-Ala-Gln-Ser-Met-  
191 Ile-Phe-Val-Pro-Val-Met-Leu-Pro-Met-Gln-  
201 Gln-Gln-His-Pro-Gln-Gln-Gln-Gln-His-Asp-

211 Leu-His-Met-Gln-His-Pro-Leu-Thr-Pro-Ser-  
221 Glu-Asp-Cys-Lys-Pro-Leu-Leu-His-Ala-Lys-  
231 Ser-Val-Pro-Pro-Pro-Pro-Gln-Pro-Pro-Pro-  
241 Met-Leu-Thr-His-Phe-Gln-Ala-Met-Met-Gln-  
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251 Pro-Pro-Pro-Leu-Pro-Pro-Ser-Pro-Met-Met-  
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261 Pro-Pro-Gln-Ser-Phe-Gly-Cys-Pro-Leu-Pro-  
271 Ser-Arg-Thr-Pro-Ala-Thr-Pro-Pro-Leu-Pro-  
281 Gly-Thr-Tyr-Arg-Val-Gln-Ser-Leu-Lys-Ser-  
291 Ala-Ala-Ala-Ala-Ala-Val-Ser-Ala-Tyr-Gln-  
301 Arg-Ser-Arg-Gln-Asn-Thr-Cys-Glu-Val-Ser-  
311 Asp-Ile-Tyr-Pro-Ser-Gly

HITS AT: 249-255

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2002 ACS

RN 312593-88-7 REGISTRY

CN L-Proline, N-acetyl-L-cysteinyl-L-methionyl-L-glutaminy-L-prolyl-L-prolyl-  
L-prolyl-L-leucyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 47: PN: WO0075173 SEQID: 47 claimed protein

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 8

NTE modified

type	location	description
terminal mod.	Cys-1	N-acetyl

SEQ3 1 Cys-Met-Gln-Pro-Pro-Pro-Leu-Pro

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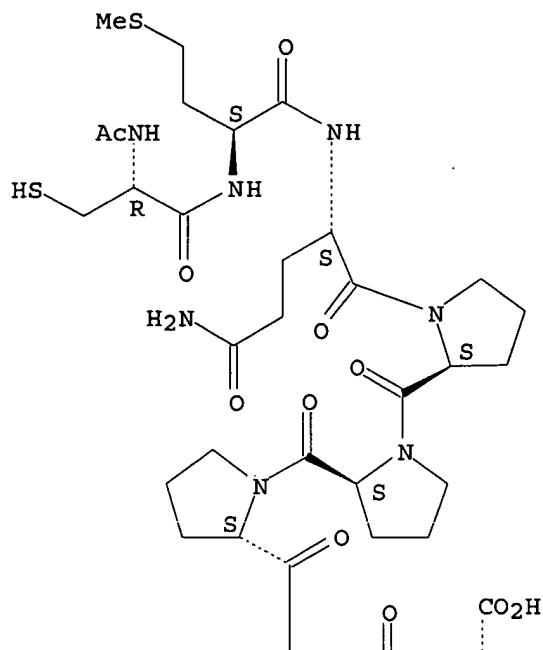
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SR CA

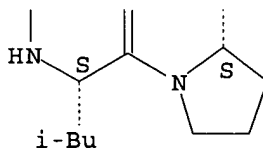
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



1 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2002 ACS  
 RN 312593-58-1 REGISTRY  
 CN L-Proline, L-methionyl-L-glutaminyl-L-prolyl-L-prolyl-L-prolyl-L-leucyl-  
 (9CI) (CA INDEX NAME)

## OTHER NAMES:

CN 17: PN: WO0075173 SEQID: 17 claimed protein  
 CN 1: PN: WO0111937 SEQID: 1 claimed protein  
 CN 1: PN: WO0112650 SEQID: 1 claimed protein  
 CN 1: PN: WO0112651 SEQID: 1 claimed protein  
 CN 1: PN: WO0213849 SEQID: 1 claimed protein  
 CN 1: PN: WO0213850 SEQID: 1 claimed protein  
 CN 1: PN: WO0213851 SEQID: 1 claimed protein  
 CN 35: PN: WO0111937 SEQID: 1 claimed protein  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 7

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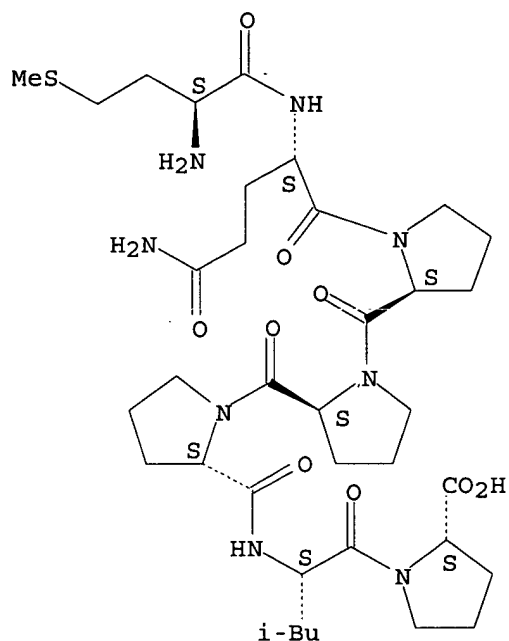
HITS AT: 1-7

MF C36 H58 N8 O9 S

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



8 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

8 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2002 ACS

RN 263516-62-7 REGISTRY

CN Protein (Drosophila melanogaster gene CG12872) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank AE003763-derived protein GI 7301655

FS PROTEIN SEQUENCE

SQL 316

SEQ3 1 Met-Glu-Ser-Gln-Thr-Asn-Leu-Ser-Thr-Gly-  
 11 Val-Ser-Thr-Ser-Pro-Ala-Ser-Gly-Leu-Gly-  
 21 Ile-Val-Gly-Ile-Leu-Pro-Cys-Ser-Leu-His-  
 31 Trp-Gln-Pro-Pro-Gly-Lys-Ala-Pro-Lys-Leu-  
 41 Leu-Ser-Tyr-Ser-Ser-Gly-Ala-Arg-Ala-Thr-  
 51 Ser-Gln-Pro-Tyr-Ala-Met-Pro-Ala-Ser-Gly-  
 61 Asn-Gly-Cys-Cys-Ser-Thr-Arg-Thr-Ala-Gly-  
 71 Cys-Cys-Gln-Asp-Cys-Ser-Gly-Tyr-Gln-Gln-  
 81 Gly-Tyr-Glu-His-Leu-Pro-Val-Pro-Arg-Leu-  
 91 Gln-His-Gln-Gln-Pro-Pro-Pro-Pro-Leu-Tyr-  
 101 Gln-Asn-Gln-Gln-Gln-Lys-Gln-Asp-His-Gln-  
 111 Gln-Gly-Ser-Cys-Thr-Ser-Thr-Leu-Gln-Gln-  
 121 Thr-Thr-Thr-Thr-Thr-Ser-Asn-Cys-Ser-Tyr-

131 Gly-Asn-Cys-Leu-Met-Pro-Ala-Pro-Ala-Thr-  
 141 Thr-Ser-Thr-Tyr-Val-Ser-Asn-Ile-Gly-Thr-  
 151 Glu-Pro-Pro-Leu-Leu-Ser-Met-Gln-Tyr-Cys-  
 161 Arg-Ser-His-Cys-Asn-Met-Gln-His-Cys-Asn-  
 171 Ser-Thr-Gly-Gly-Ser-Asn-Lys-Ala-Pro-Ala-  
 181 Ile-Tyr-Asn-Asn-Ile-Pro-Ala-Gln-Ser-Met-  
 191 Ile-Phe-Val-Pro-Val-Met-Leu-Pro-Met-Gln-  
 201 Gln-Gln-His-Pro-Gln-Gln-Gln-Gln-His-Asp-  
 211 Leu-His-Met-Gln-His-Pro-Leu-Thr-Pro-Ser-  
 221 Glu-Asp-Cys-Lys-Pro-Leu-Leu-His-Ala-Lys-  
 231 Ser-Val-Pro-Pro-Pro-Pro-Gln-Pro-Pro-Pro-  
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 261 Pro-Pro-Gln-Ser-Phe-Gly-Cys-Pro-Leu-Pro-  
 271 Ser-Arg-Thr-Pro-Ala-Thr-Pro-Pro-Leu-Pro-  
 281 Gly-Thr-Tyr-Arg-Val-Gln-Ser-Leu-Lys-Ser-  
 291 Ala-Ala-Ala-Ala-Ala-Val-Ser-Ala-Tyr-Gln-  
 301 Arg-Ser-Arg-Gln-Asn-Thr-Cys-Glu-Val-Ser-  
 311 Asp-Ile-Tyr-Pro-Ser-Gly

HITS AT: 249-255

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 08:49:03 ON 08 AUG 2002

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FILE COVERS 1907 - 8 Aug 2002 VOL 137 ISS 6

FILE LAST UPDATED: 7 Aug 2002 (20020807/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> d his 12-1  
 'L2-L' IS NOT VALID HERE

=> d his 12-

(FILE 'REGISTRY' ENTERED AT 08:46:08 ON 08 AUG 2002)

FILE 'HCAPLUS' ENTERED AT 08:46:48 ON 08 AUG 2002  
 L2 10 S L1

FILE 'REGISTRY' ENTERED AT 08:48:40 ON 08 AUG 2002

FILE 'HCAPLUS' ENTERED AT 08:49:03 ON 08 AUG 2002

=> d .ca 12 1-10

L2 ANSWER 1 OF 10 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:173237 HCAPLUS

DOCUMENT NUMBER: 136:396931

TITLE: Reagents and kits, such as nucleic acid arrays, for detecting the expression of over 10,000 Drosophila genes

INVENTOR(S): Venter, J. Craig; Adams, Mark; Li, Peter W. D.; Myers, Eugene W.

PATENT ASSIGNEE(S): PE Corporation (NY), USA

SOURCE: PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 10

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001071042	A2	20010927	WO 2001-XF9231	20010323
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
WO 2001071042	A2	20010927	WO 2001-US9231	20010323
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PRIORITY APPLN. INFO.: US 2000-191637P P 20000323

US 2000-614150 A 20000711

WO 2001-US9231 A 20010323

AB The present invention is based on the sequencing and assembly of the Drosophila melanogaster genome. The present invention provides the primary nucleotide sequence of a large portion of the Drosophila

melanogaster genome in a series of genomic and predicted transcript sequences. This information is provided in the form of genomic, transcript and protein sequence information and can be used to generate nucleic acid detection reagents and kits such as nucleic acid arrays. Primary sequences are provided as contiguous strings in a computer-readable format and recorded on media such as floppy disks, hard disks, magnetic tape, CD-ROM, RAM, ROM and hybrids of these categories. Genes/exons can be predicted, sequences can be edited and homol. searches of target motifs can be conducted. [This abstr. record is one of ten records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.]

IC C12Q001-68

CC 3-1 (Biochemical Genetics)

Section cross-reference(s): 6, 12

IT	431424-42-9	431424-45-2	431424-48-5	431424-51-0	431424-53-2
	431424-56-5	431424-59-8	431424-62-3	431424-65-6	431424-68-9
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431431-40-2 431431-43-5 431431-46-8 431431-49-1 431431-52-6  
 RL: ANT (Analyte); BSU (Biological study, unclassified); BUU (Biological  
 use, unclassified); PRP (Properties); ANST (Analytical study); BIOL  
 (Biological study); USES (Uses)  
 (amino acid sequence; reagents and kits, such as nucleic acid arrays,  
 for detecting the expression of over 10,000 Drosophila genes)

L2 ANSWER 2 OF 10 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:142541 HCAPLUS

DOCUMENT NUMBER: 136:194259

TITLE: Use of colostrinin, constituent peptides thereof, and  
 analogs thereof to promote neural cell differentiation  
 INVENTOR(S): Boldogh, Istvan; Stanton, John G.; Hughes, Thomas K.,  
 Jr.

PATENT ASSIGNEE(S): The University of Texas System, USA

SOURCE: PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002013851	A1	20020221	WO 2000-US22777	20000817

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,  
 CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
 ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
 LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,  
 SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,  
 ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AB The present invention discloses a use of colostrinin, a constituent  
 peptide thereof, and/or an analog thereof as a neural cell regulator in  
 animals including humans.

IC ICM A61K038-17

CC 1-11 (Pharmacology)

IT 89021-96-5 175177-05-6 312593-43-4 312593-44-5 312593-45-6  
 312593-46-7 312593-48-9 312593-49-0 312593-51-4 312593-52-5  
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 312593-67-2 312593-68-3 312593-69-4 312593-70-7 312593-71-8  
 312593-72-9 312593-73-0 312593-74-1 326850-25-3 400707-39-3

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)

(use of colostrinin and constituent peptides thereof and analogs  
 thereof to promote neural cell differentiation)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 10 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:142540 HCAPLUS

DOCUMENT NUMBER: 136:194274

TITLE: Use of colostrinin, constituent peptides thereof, and  
 analogs thereof as oxidative stress regulators

INVENTOR(S): Stanton, G. John; Hughes, Thomas K., Jr.; Boldogh,  
 Istvan

PATENT ASSIGNEE(S): The University of Texas System, USA  
SOURCE: PCT Int. Appl., 51 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002013850	A1	20020221	WO 2000-US22776	20000817

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,  
CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,  
SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,  
ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AB The present invention provides methods that utilize compns. contg.  
colostrinin, an constituent peptide thereof, an active analog thereof, and  
combinations thereof, as an oxidative stress regulator.

IC ICM A61K038-17

ICS A61K007-40

CC 1-12 (Pharmacology)

IT 89021-96-5 175177-05-6 312593-43-4 312593-44-5 312593-45-6  
312593-46-7 312593-48-9 312593-49-0 312593-51-4 312593-52-5  
312593-53-6 312593-54-7 312593-55-8 312593-56-9 312593-57-0  
312593-58-1 312593-59-2 312593-60-5 312593-61-6  
312593-62-7 312593-63-8 312593-64-9 312593-65-0 312593-66-1  
312593-67-2 312593-68-3 312593-69-4 312593-70-7 312593-71-8  
312593-72-9 312593-73-0 312593-74-1 326850-25-3 400707-39-3

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)

(use of colostrinin and constituent peptides thereof and analogs  
thereof as oxidative stress regulators)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 10 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:142539 HCAPLUS

DOCUMENT NUMBER: 136:194245

TITLE: Use of colostrinin, constituent peptides thereof, and  
analogues thereof for inducing cytokines

INVENTOR(S): Stanton, G. John; Hughes, Thomas K., Jr.; Boldogh,  
Istvan; Georgiades, Jerzy

PATENT ASSIGNEE(S): The University of Texas System, USA; Regen  
Therapeutics PLC

SOURCE: PCT Int. Appl., 54 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002013849	A1	20020221	WO 2000-US22775	20000817

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,

CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
 ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
 LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,  
 SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,  
 ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AB The present invention discloses a use of colostrinin, a constituent peptide thereof, and/or an analog thereof as an immunol. regulator and as a blood cell regulator in animals including humans.

IC ICM A61K038-17

CC 1-7 (Pharmacology)

IT 89021-96-5 175177-05-6 312593-43-4 312593-44-5 312593-45-6  
 312593-46-7 312593-48-9 312593-49-0 312593-51-4 312593-52-5  
 312593-53-6 312593-54-7 312593-55-8 312593-56-9 312593-57-0  
 312593-58-1 312593-59-2 312593-60-5 312593-61-6  
 312593-62-7 312593-63-8 312593-64-9 312593-65-0 312593-66-1  
 312593-67-2 312593-68-3 312593-69-4 312593-70-7 312593-71-8  
 312593-72-9 312593-73-0 312593-74-1 326850-25-3 400707-39-3

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL

(Biological study); USES (Uses)

(use of colostrinin and constituent peptides thereof and analogs thereof for inducing cytokines and as immunol. regulators and blood cell regulators)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 10 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:121043 HCAPLUS

DOCUMENT NUMBER: 137:18058

TITLE: Towards an understanding of biological role of colostrinin peptides

AUTHOR(S): Kruzel, Marian L.; Janusz, Maria; Lisowski, Jozef; Fischleigh, Robert V.; Georgiades, Jerzy A.

CORPORATE SOURCE: Houston Health Science Center, University of Texas, Houston, TX, USA

SOURCE: Journal of Molecular Neuroscience (2001), 17(3), 379-389

CODEN: JMNEES; ISSN: 0895-8696

PUBLISHER: Humana Press Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The aim of this study was to elucidate the structure and possible function of colostrinin, also known as a proline rich polypeptide (PRP). The mol. wt. of colostrinin was originally detd. by gel filtration to be 17,200 daltons. In the presence of guanidinium chloride, however, the mol. wt. was found to be about 6,000 daltons. Further studies utilizing high-performance liq. chromatog. (HPLC) and mass spectroscopy revealed that colostrinin is a complex consisting of many low mol.-wt. polypeptides. A total of 32 peptides were isolated from the original colostrinin prepn. by HPLC and subjected to the N-terminal sequence anal. The results of sequence anal. revealed significant homol. of the peptides to three protein precursors: annexin, .beta.-casein, and a hypothetical .beta.-casein homolog. In addn., the sequence of several peptides showed no significant homol. to any specific protein in the current GenBank database. The synthetic peptides of various lengths representing the N-terminal sequence of the colostrinin peptides were made to study some biol. effects. Here we report that colostrinin and some of its component peptides are potent inducers of leukocyte proliferation and of certain

cytokines. Also, a series of monospecific antibodies were produced in rabbits against the synthetic peptides. The antibodies were used to study the kinetic of antigen redn. in colostrum and mature milk following lambing. A threefold decrease was common for most antigens studied over the period of 72 h. Based on the results of these studies we postulate that colostrinin represents a diverse group of peptides produced in the mammary gland of mammals for the development of the optimal physiol. responses in offspring. Also, it is hoped that the beneficial use of colostrinin in Alzheimer's disease, recently reported elsewhere, will revive interest in its clin. application for treatment and/or prophylaxis of many age-related disorders.

CC 13-1 (Mammalian Biochemistry)

Section cross-reference(s): 15

IT 312593-43-4 312593-44-5 312593-49-0 312593-50-3 312593-52-5  
 312593-53-6 312593-54-7 312593-55-8 312593-56-9 312593-57-0  
 312593-58-1 312593-59-2 312593-61-6 312593-62-7  
 312593-64-9 312593-67-2 312593-68-3 312593-71-8 312593-74-1  
 326850-25-3 431041-01-9 431041-02-0 431041-03-1 431041-04-2  
 431041-05-3 431041-06-4

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (sequences and biol. roles of colostrinin peptides)

REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 6 OF 10 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:137235 HCAPLUS

DOCUMENT NUMBER: 134:188221

TITLE: Use of colostrinin, constituent peptides, and analogs  
 to promote neural cell differentiation

INVENTOR(S): Boldogh, Istvan

PATENT ASSIGNEE(S): The University of Texas System, USA

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001012651	A2	20010222	WO 2000-US22774	20000817
WO 2001012651	A3	20020711		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,  
 CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
 ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
 LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,  
 SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,  
 ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 2000069177	A5	20010313	AU 2000-69177	20000817
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PRIORITY APPLN. INFO.: US 1999-149633P P 19990817  
 WO 2000-US22774 W 20000817

AB Colostrinin, a constituent peptide thereof, and/or an analog thereof, is  
 used as a neural cell regulator in animals, including humans.

IC ICM C07K

CC 1-11 (Pharmacology)

IT 175177-05-6 312593-43-4 312593-44-5 312593-45-6 312593-46-7  
 312593-48-9 312593-49-0 312593-50-3 312593-51-4 312593-52-5

312593-53-6 312593-54-7 312593-55-8 312593-56-9 312593-57-0  
**312593-58-1** 312593-59-2 312593-60-5 312593-61-6  
 312593-62-7 312593-63-8 312593-64-9 312593-65-0 312593-66-1  
 312593-67-2 312593-68-3 312593-69-4 312593-70-7 312593-71-8  
 312593-72-9 312593-73-0 312593-74-1 326850-25-3 326850-26-4

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (colostrinin, constituent peptides, and analogs to promote neural cell differentiation)

L2 ANSWER 7 OF 10 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:137234 HCAPLUS

DOCUMENT NUMBER: 134:188229

TITLE: Use of colostrinin, constituent peptides, and analogs as oxidative stress regulators

INVENTOR(S): Stanton, G. John; Hughes, Thomas K., Jr.; Boldogh, Istvan

PATENT ASSIGNEE(S): The University of Texas System, USA

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001012650	A2	20010222	WO 2000-US22665	20000817
W:		AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
RW:		GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
AU 2000070617	A5	20010313	AU 2000-70617	20000817
PRIORITY APPLN. INFO.:			US 1999-149310P	P 19990817
			WO 2000-US22665	W 20000817

AB Methods are provided that use compns. contg. colostrinin, a constituent peptide thereof, an active analog thereof, and combinations thereof, as oxidative stress regulators.

IC ICM C07K

CC 1-12 (Pharmacology)

Section cross-reference(s): 62, 63

IT 175177-05-6 312593-43-4 312593-44-5 312593-45-6 312593-46-7  
 312593-48-9 312593-49-0 312593-50-3 312593-51-4 312593-52-5  
 312593-53-6 312593-54-7 312593-55-8 312593-56-9 312593-57-0  
**312593-58-1** 312593-59-2 312593-60-5 312593-61-6  
 312593-62-7 312593-63-8 312593-64-9 312593-65-0 312593-66-1  
 312593-67-2 312593-68-3 312593-69-4 312593-70-7 312593-71-8  
 312593-72-9 312593-73-0 312593-74-1 326850-25-3 326850-26-4

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (colostrinin, peptides, and analogs as oxidative stress regulators)

L2 ANSWER 8 OF 10 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:136927 HCAPLUS  
 DOCUMENT NUMBER: 134:188199  
 TITLE: Use of colostrinin, constituent peptides, and analogs  
 for inducing cytokines and as blood cell regulators  
 INVENTOR(S): Stanton, G. John; Hughes, Thomas K., Jr.; Boldogh,  
 Istvan; Georgiades, Jerzy  
 PATENT ASSIGNEE(S): The University of Texas System, USA; Regen  
 Therapeutics PLC  
 SOURCE: PCT Int. Appl., 51 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001011937	A2	20010222	WO 2000-US22818	20000817
WO 2001011937	A3	20010907		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IS, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 2000069197	A5	20010313	AU 2000-69197	20000817
EP 1224217	A2	20020724	EP 2000-957601	20000817
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			

PRIORITY APPLN. INFO.: US 1999-149311P P 19990817  
 WO 2000-US22818 W 20000817

AB The invention discloses a use of colostrinin, a constituent peptide thereof, and/or an analog thereof as an immunol. regulator and as a blood cell regulator in animals, including humans.  
 IC A61K038-08  
 CC 1-7 (Pharmacology)  
 IT 175177-05-6 175177-05-6D, analogs 312593-43-4 312593-43-4D, analogs  
 312593-44-5 312593-44-5D, analogs 312593-45-6 312593-45-6D, analogs  
 312593-46-7 312593-46-7D, analogs 312593-48-9 312593-48-9D, analogs  
 312593-49-0 312593-49-0D, analogs 312593-50-3 312593-50-3D, analogs  
 312593-51-4 312593-51-4D, analogs 312593-52-5 312593-52-5D, analogs  
 312593-53-6 312593-53-6D, analogs 312593-54-7 312593-54-7D, analogs  
 312593-55-8 312593-55-8D, analogs 312593-56-9 312593-56-9D, analogs  
 312593-57-0 312593-57-0D, analogs 312593-58-1  
 312593-58-1D, analogs 312593-59-2 312593-59-2D, analogs  
 312593-60-5 312593-60-5D, analogs 312593-61-6 312593-61-6D, analogs  
 312593-62-7 312593-62-7D, analogs 312593-63-8 312593-63-8D, analogs  
 312593-64-9 312593-64-9D, analogs 312593-65-0 312593-65-0D, analogs  
 312593-66-1 312593-66-1D, analogs 312593-67-2 312593-67-2D, analogs  
 312593-68-3 312593-68-3D, analogs 312593-69-4 312593-69-4D, analogs  
 312593-70-7 312593-70-7D, analogs 312593-71-8 312593-71-8D, analogs  
 312593-72-9 312593-72-9D, analogs 312593-73-0 312593-73-0D, analogs  
 312593-74-1 312593-74-1D, analogs 326850-25-3 326850-25-3D, analogs  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (colostrinin, peptides, and analogs for inducing cytokines and as blood

cell regulators)

L2 ANSWER 9 OF 10 HCAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2000:881182 HCAPLUS  
 DOCUMENT NUMBER: 134:37019  
 TITLE: Peptides present in Colostrinin useful in treatment of disorders of immune system and central nervous system  
 INVENTOR(S): Georgiades, Jerzy A.  
 PATENT ASSIGNEE(S): Regen Therapeutics PLC, UK  
 SOURCE: PCT Int. Appl., 63 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075173	A2	20001214	WO 2000-GB2128	20000602
WO 2000075173	A3	20020711		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

GB 2367061	A1	20020327	GB 2001-28994	20000602
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PRIORITY APPLN. INFO.: GB 1999-12852 A 19990602  
 WO 2000-GB2128 W 20000602

AB The amino acid sequence of several peptides present in Colostrinin is disclosed. These peptides are useful, inter alia, in the treatment of disorders of the immune system and the central nervous system.

IC ICM C07K007-00

CC 1-7 (Pharmacology)

Section cross-reference(s): 18, 63

IT 175177-05-6P	312593-43-4P	312593-44-5P	312593-45-6P	312593-46-7P
312593-47-8P	312593-48-9P	312593-49-0P	312593-50-3P	312593-51-4P
312593-52-5P	312593-53-6P	312593-54-7P	312593-55-8P	312593-56-9P
312593-57-0P	312593-58-1P	312593-59-2P	312593-60-5P	
312593-61-6P	312593-62-7P	312593-63-8P	312593-64-9P	312593-65-0P
312593-66-1P	312593-67-2P	312593-68-3P	312593-69-4P	312593-70-7P
312593-71-8P	312593-72-9P	312593-73-0P	312593-74-1P	

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); FFD (Food or feed use); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)

(peptides present in Colostrinin useful in treatment of disorders of immune system and central nervous system)

IT 312593-75-2	312593-76-3	312593-77-4	312593-78-5	312593-79-6
312593-80-9	312593-81-0	312593-82-1	312593-83-2	312593-84-3
312593-85-4	312593-86-5	312593-87-6	312593-88-7	
312593-89-8	312593-90-1	312593-91-2		

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(peptides present in Colostrinin useful in treatment of disorders of immune system and central nervous system)

L2 ANSWER 10 OF 10 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:246921 HCAPLUS

DOCUMENT NUMBER: 132:275067

TITLE:

AUTHOR(S):

The genome sequence of *Drosophila melanogaster*  
 Adams, Mark D.; Celniker, Susan E.; Holt, Robert A.;  
 Evans, Cheryl A.; Gocayne, Jeannine D.; Amanatides,  
 Peter G.; Scherer, Steven E.; Li, Peter W.; Hoskins,  
 Roger A.; Galle, Richard F.; George, Reed A.; Lewis,  
 Suzanna E.; Richards, Stephen; Ashburner, Michael;  
 Henderson, Scott N.; Sutton, Granger G.; Wortman,  
 Jennifer R.; Yandell, Mark D.; Zhang, Qing; Chen, Lin  
 X.; Brandon, Rhonda C.; Rogers, Yu-Hui C.; Blazej,  
 Robert G.; Champe, Mark; Pfeiffer, Barret D.; Wan,  
 Kenneth H.; Doyle, Clare; Baxter, Evan G.; Helt,  
 Gregg; Nelson, Catherine R.; Miklos, George L. Gabor;  
 Abril, Josep F.; Agbayani, Anna; An, Hui-Jin;  
 Andrews-Pfannkoch, Cynthia; Baldwin, Danita; Ballew,  
 Richard M.; Basu, Anand; Baxendale, James;  
 Bayraktaroglu, Leyla; Beasley, Ellen M.; Beeson, Karen  
 Y.; Benos, P. V.; Berman, Benjamin P.; Bhandari,  
 Deepali; Bolshakov, Slava; Borkova, Dana; Botchan,  
 Michael R.; Bouck, John; Brokstein, Peter; Brottier,  
 Phillipe; Burtis, Kenneth C.; Busam, Dana A.; Butler,  
 Heather; Cadieu, Edouard; Center, Angela; Chandra,  
 Ishwar; Cherry, J. Michael; Cawley, Simon; Dahlke,  
 Carl; Davenport, Lionel B.; Davies, Peter; De Pablos,  
 Beatriz; Delcher, Arthur; Deng, Zuoming; Mays, Anne  
 Deslattes; Dew, Ian; Dietz, Suzanne M.; Dodson,  
 Kristina; Doup, Lisa E.; Downes, Michael; Dugan-Rocha,  
 Shannon; Dunkov, Boris C.; Dunn, Patrick; Durbin,  
 Kenneth J.; Evangelista, Carlos C.; Ferraz,  
 Concepcion; Ferriera, Steven; Fleischmann, Wolfgang;  
 Foster, Carl; Gabrielian, Andrei E.; Garg, Neha S.;  
 Gelbart, William M.; Glasser, Ken; Glodek, Anna; Gong,  
 Fangcheng; Gorrell, J. Harley; Gu, Zhiping; Guan,  
 Ping; Harris, Michael; Harris, Nomi L.; Harvey, Damon;  
 Heiman, Thomas J.; Hernandez, Judith R.; Houck,  
 Jarrett; Hostin, Damon; Houston, Kathryn A.; Howland,  
 Timothy J.; Wei, Ming-Hui; Ibegwam, Chinyere; Jalali,  
 Mena; Kalush, Francis; Karpen, Gary H.; Ke, Zhaoxi;  
 Kennison, James A.; Ketchum, Karen A.; Kimmel, Bruce  
 E.; Kodira, Chinnappa D.; Kraft, Cheryl; Kravitz,  
 Saul; Kulp, David; Lai, Zhongwu; Lasko, Paul; Lei,  
 Yiding; Levitsky, Alexander A.; Li, Jiayin; Li,  
 Zhenya; Liang, Yong; Lin, Xiaoying; Liu, Xiangjun;  
 Mattei, Bettina; McIntosh, Tina C.; McLeod, Michael  
 P.; McPherson, Duncan; Merkulov, Gennady; Milshina,  
 Natalia V.; Mobarry, Clark; Morris, Joe; Moshrefi,  
 Ali; Mount, Stephen M.; Moy, Mee; Murphy, Brian;  
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 Nelson, David R.; Nelson, Keith A.; Nixon, Katherine;  
 Nusskern, Deborah R.; Pacle, Joanne M.; Palazzolo,  
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 Frederick; Shen, Hua; Shue, Bixiang Christopher;  
 Siden-Kiamos, Inga; Simpson, Michael; Skupski, Marian  
 P.; Smith, Tom; Spier, Eugene; Spradling, Allan C.;  
 Stapleton, Mark; Strong, Renee; Sun, Eric; Svirskas,



Robert; Tector, Cyndee; Turner, Russell; Venter, Eli; Wang, Aihui H.; Wang, Xin; Wang, Zhen-Yuan; Wassarman, David A.; Weinstock, George M.; Weissenbach, Jean; Williams, Sherita M.; Woodage, Trevor; Worley, Kim C.; Wu, David; Yang, Song; Yao, Q. Alison; Ye, Jane; Yeh, Ru-Fang; Zaveri, Jayshree S.; Zhan, Ming; Zhang, Guangren; Zhao, Qi; Zheng, Liansheng; Zheng, Xiangqun H.; Zhong, Fei N.; Zhong, Wenyan; Zhou, Xiaojun; Zhu, Shiaoping; Zhu, Xiaohong; Smith, Hamilton O.; Gibbs, Richard A.; Myers, Eugene W.; Rubin, Gerald M.; Venter, J. Craig

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 SOURCE: Science (Washington, D. C.) (2000), 287(5461), 2185-2195  
 CODEN: SCIEAS; ISSN: 0036-8075  
 PUBLISHER: American Association for the Advancement of Science  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB The fly *Drosophila melanogaster* is one of the most intensively studied organisms in biol. and serves as a model system for the investigation of many developmental and cellular processes common to higher eukaryotes, including humans. The nucleotide sequence was detd. of nearly all of the .apprx.120-megabase euchromatic portion of the *Drosophila* genome using a whole-genome shotgun sequencing strategy supported by extensive clone-based sequence and a high-quality bacterial artificial chromosome phys. map. Efforts are under way to close the remaining gaps; however, the sequence is of sufficient accuracy and contiguity to be declared substantially complete and to support an initial anal. of genome structure and preliminary gene annotation and interpretation. The genome encodes .apprx.13,600 genes, somewhat fewer than the smaller *Caenorhabditis elegans* genome, but with comparable functional diversity. Access to supporting information on each gene is available through FlyBase at <http://flybase.bio.indiana.edu> and through Celera at [www.celera.com](http://www.celera.com); the sequences are deposited in GenBank with Accession Nos. AE002566-AE003403. [This abstr. record is one of 4 records for this document necessitated by the large no. of index entries required to fully index the document and publication system restraints].

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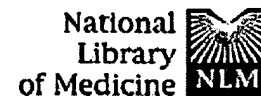
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155327-87-0	155578-71-5	155981-83-2	156290-11-8	156656-76-7
156859-70-0	156860-14-9	158652-58-5	158934-28-2	159966-48-0
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169242-26-6	175278-94-1	175420-35-6	178902-56-2	179005-98-2
182702-47-2	184491-57-4	185767-14-0	189305-19-9	190735-59-2
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204786-90-3	205455-22-7	205541-79-3	205832-66-2	207021-84-9,
Flotillin-1 (Drosophila melanogaster)			208065-61-6	209728-96-1
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219524-28-4	219578-17-3	220896-36-6	229018-91-1	241475-65-0
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RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)  
(amino acid sequence; genome sequence of Drosophila melanogaster)

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```
=> s colostrinin OR prp
      17 COLOSTRININ
      1 COLOSTRININS
      17 COLOSTRININ
      (COLOSTRININ OR COLOSTRININS)
      3775 PRP
      209 PRPS
      3861 PRP
      (PRP OR PRPS)
L1      3875 COLOSTRININ OR PRP
```

```
=> s L1 AND neuro#
      83516 NEURO#
L2      173 L1 AND NEURO#
```

```
=> s L2 AND growth
      1004416 GROWTH
      3862 GROWTHS
      1006476 GROWTH
      (GROWTH OR GROWTHS)
L3      9 L2 AND GROWTH
```

```
=> d 1-9 TI
```

```
L3 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Protective effect of a new hypothalamic peptide against cobra venom and
trauma-induced neuronal injury
```

```
L3 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Neurotrophin p75 receptor is involved in neuronal damage by prion
peptide-(106-126)
```

```
L3 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Use of colostrinin, constituent peptides, and analogs to promote
neural cell differentiation
```

```
L3 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2002 ACS
TI Nerve growth factor-induced differentiation does not alter the
```

biochemical properties of a mutant prion protein expressed in PC12 cells

L3 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Enhanced Expression of Cellular Prion Protein Gene by Insulin or Nerve  
**Growth** Factor in Immortalized Mouse Neuronal Precursor Cell Lines

L3 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Prion protein and neuronal differentiation: quantitative analysis of prnp  
gene expression in a murine inducible neuroectodermal progenitor

L3 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Distribution of prolactin-releasing peptide-immunoreactive neurons in the  
rat hypothalamus

L3 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Modulation of prion protein gene expression by **growth** factors in  
cultured mouse astrocytes and PC-12 cells

L3 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Recombinant human **growth** hormone and insulin-like **growth**  
factor I induce **PrP** gene expression in PC12 cells

=> d 1-9 TI AND DATE

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```
=> s prp AND colostrinin# NOT prion
      3775 PRP
      209 PRPS
      3861 PRP
          (PRP OR PRPS)
      20 COLOSTRININ#
      3500 PRION
      700 PRIONS
      3590 PRION
          (PRION OR PRIONS)
L4      5 PRP AND COLOSTRININ# NOT PRION
```

```
=> s prp
      3775 PRP
      209 PRPS
L5      3861 PRP
          (PRP OR PRPS)
```

```
=> s prp AND neuro#
      3775 PRP
      209 PRPS
      3861 PRP
          (PRP OR PRPS)
      83516 NEURO#
L6      172 PRP AND NEURO#
```

```
=> s L6 NOT prion#
      3592 PRION#
L7      12 L6 NOT PRION#
```

```
=> d 1-12 TI
```

```
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```



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TI Protection against snake venom-induced neuronal injury by the new hypothalamic neurohormone

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TI Characterization of neuronal protein phosphatases in Aplysia californica

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TI Protein phosphatases and their role in control of membrane currents in Aplysia neurons

L7 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2002 ACS  
TI Microcystin-LR, a potent protein phosphatase inhibitor, prolongs the serotonin- and cAMP-induced currents in sensory neurons of Aplysia californica

L7 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2002 ACS  
TI Endosulfan induced inhibition of 3H-5-hydroxytryptamine uptake in platelets

=> s prp

3775 PRP  
209 PRPS

L8 3861 PRP  
(PRP OR PRPS)

=> s L8 NOT scrapie

1502 SCRAPIE  
2 SCRAPIES  
1502 SCRAPIE  
(SCRAPIE OR SCRAPIES)

L9 3171 L8 NOT SCRAPIE

=> s L9 NOT prolactin

31284 PROLACTIN  
247 PROLACTINS  
31301 PROLACTIN  
(PROLACTIN OR PROLACTINS)

L10 3159 L9 NOT PROLACTIN

=> s L10 NOT Aplysia

2942 APLYSIA  
L11 3155 L10 NOT APLYSIA

=> s L11 NOT prion

3500 PRION

```

          700 PRIONS
          3590 PRION
              (PRION OR PRIONS)
L12      2439 L11 NOT PRION

=> s L12 AND neuro#
          83516 NEURO#
L13      6 L12 AND NEURO#

=> d 1-6 TI

L13 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI   Protective effect of a new hypothalamic peptide against cobra venom and
      trauma-induced neuronal injury

L13 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI   Effects of proline-rich peptide derived from neurophysin-II on caspases of
      murine neuroblastoma: evidence for caspase-2 and -6 activation

L13 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI   Comparison of the protection against neuronal injury by hypothalamic
      peptides and by dexamethasone

L13 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI   Protection against snake venom-induced neuronal injury by the new
      hypothalamic neurohormone

L13 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI   Regulation of taurine biosynthesis and its physiological significance in
      the brain

L13 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI   Endosulfan induced inhibition of 3H-5-hydroxytryptamine uptake in
      platelets

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=> d 1 AND 4 ABS
'AND' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

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The following are valid formats:

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ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
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FBIB ----- AN, BIB, plus Patent FAM
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IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
      SCAN must be entered on the same line as the DISPLAY,
      e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels

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ISTD ----- STD, indented with text labels  
 OBIB ----- AN, plus Bibliographic Data (original)  
 OIBIB ----- OBIB, indented with text labels  
  
 SBIB ----- BIB, no citations  
 SIBIB ----- IBIB, no citations  
  
 HIT ----- Fields containing hit terms  
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
                   containing hit terms  
 HITRN ----- HIT RN and its text modification  
 HITSTR ----- HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 HITSEQ ----- HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 KWIC ----- Hit term plus 20 words on either side  
 OCC ----- Number of occurrence of hit term and field in which it occurs

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=> d 1 AND 4 TI  
 'AND' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

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ABS ----- GI and AB  
 ALL ----- BIB, AB, IND, RE  
 APPS ----- AI, PRAI  
 BIB ----- AN, plus Bibliographic Data and PI table (default)  
 CAN ----- List of CA abstract numbers without answer numbers  
 CBIB ----- AN, plus Compressed Bibliographic Data  
 DALL ----- ALL, delimited (end of each field identified)  
 DMAX ----- MAX, delimited for post-processing  
 FAM ----- AN, PI and PRAI in table, plus Patent Family data  
 FBIB ----- AN, BIB, plus Patent FAM  
 IND ----- Indexing data  
 IPC ----- International Patent Classifications  
 MAX ----- ALL, plus Patent FAM, RE  
 PATS ----- PI, SO  
 SAM ----- CC, SX, TI, ST, IT  
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;  
                   SCAN must be entered on the same line as the DISPLAY,  
                   e.g., D SCAN or DISPLAY SCAN)  
 STD ----- BIB, IPC, and NCL  
  
 IABS ----- ABS, indented with text labels  
 IALL ----- ALL, indented with text labels  
 IBIB ----- BIB, indented with text labels  
 IMAX ----- MAX, indented with text labels  
 ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)  
 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
 SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms  
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
                   containing hit terms  
 HITRN ----- HIT RN and its text modification  
 HITSTR ----- HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 HITSEQ ----- HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 KWIC ----- Hit term plus 20 words on either side  
 OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.  
 ENTER DISPLAY FORMAT (BIB):end

=> d L13

L13 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS  
 AN 2001:799158 CAPLUS  
 DN 136:64395  
 TI Protective effect of a new hypothalamic peptide against cobra venom and trauma-induced neuronal injury  
 AU Galoyan, A. A.; Sarkissian, J. S.; Kipriyan, T. K.; Sarkissian, E. J.; Chavushyan, E. A.; Sulkhanyan, R. M.; Meliksetyan, I. B.; Abrahamyan, S. S.; Grigorian, Y. Kh.; Avetisyan, Z. A.; Otieva, N. A.  
 CS Bunatian Institute of Biochemistry, NAS RA, Yerevan, 3750014, Armenia  
 SO Neurochemical Research (2001), 26(8/9), 1023-1038  
   CODEN: NEREDZ; ISSN: 0364-3190  
 PB Kluwer Academic/Plenum Publishers  
 DT Journal  
 LA English  
 RE.CNT 87 THERE ARE 87 CITED REFERENCES AVAILABLE FOR THIS RECORD  
           ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d L13 1-6

L13 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS  
 AN 2001:799158 CAPLUS  
 DN 136:64395  
 TI Protective effect of a new hypothalamic peptide against cobra venom and trauma-induced neuronal injury  
 AU Galoyan, A. A.; Sarkissian, J. S.; Kipriyan, T. K.; Sarkissian, E. J.; Chavushyan, E. A.; Sulkhanyan, R. M.; Meliksetyan, I. B.; Abrahamyan, S. S.; Grigorian, Y. Kh.; Avetisyan, Z. A.; Otieva, N. A.  
 CS Bunatian Institute of Biochemistry, NAS RA, Yerevan, 3750014, Armenia

SO Neurochemical Research (2001), 26(8/9), 1023-1038  
CODEN: NEREDZ; ISSN: 0364-3190  
PB Kluwer Academic/Plenum Publishers  
DT Journal  
LA English  
RE.CNT 87 THERE ARE 87 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS  
AN 2001:298785 CAPLUS  
DN 134:348423  
TI Effects of proline-rich peptide derived from neurophysin-II on caspases of murine neuroblastoma: evidence for caspase-2 and -6 activation  
AU Galoyan, A.; Terio, N.; Berg, M.; Marks, N.  
CS Bunatian Institute of Biochemistry NAS RA, Yerevan, The Republic of Armenia, Armenia  
SO Neirokhimiya (2000), 17(3), 185-188  
CODEN: NERODV; ISSN: 0203-493X  
PB Nauka  
DT Journal  
LA English  
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS  
AN 2000:898249 CAPLUS  
DN 134:143091  
TI Comparison of the protection against neuronal injury by hypothalamic peptides and by dexamethasone  
AU Galoyan, A. A.; Sarkissian, J. S.; Kipriyan, T. K.; Sarkissian, E. J.; Grigorian, Y. Kh.; Sulkhanyan, R. M.; Khachatrian, T. S.  
CS Buniatian Institute of Biochemistry, NAS RA, Yerevan, 3750014, Armenia  
SO Neurochemical Research (2000), 25(12), 1567-1578  
CODEN: NEREDZ; ISSN: 0364-3190  
PB Kluwer Academic/Plenum Publishers  
DT Journal  
LA English  
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS  
AN 2000:522015 CAPLUS  
DN 133:188216  
TI Protection against snake venom-induced neuronal injury by the new hypothalamic neurohormone  
AU Galoyan, A. A.; Kipriyan, T. K.; Sarkissian, J. S.; Sarkissian, E. J.; Grigorian, Y. Kh.; Andreasian, A. S.; Chavushyan, E. A.  
CS Buniatian Institute of Biochemistry NAS RA, Yerevan, 375014, Armenia  
SO Neurochemical Research (2000), 25(6), 791-800  
CODEN: NEREDZ; ISSN: 0364-3190  
PB Kluwer Academic/Plenum Publishers  
DT Journal  
LA English  
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS  
AN 1998:561913 CAPLUS  
DN 129:300398  
TI Regulation of taurine biosynthesis and its physiological significance in the brain  
AU Wu, Jang-Yen; Tang, Xiao Wen; Schloss, John V.; Faiman, Morris D.  
CS Dep. Physiology and Cell Biology, Univ. Kansas, Lawrence, KS, 66045, USA  
SO Advances in Experimental Medicine and Biology (1998), 442(Taurine 3), 339-345

CODEN: AEMBAP; ISSN: 0065-2598  
PB Plenum Publishing Corp.  
DT Journal  
LA English

L13 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS  
AN 1986:620541 CAPLUS  
DN 105:220541  
TI Endosulfan induced inhibition of 3H-5-hydroxytryptamine uptake in  
platelets  
AU Anand, Mohini; Gopal, Krishna; Agrawal, Chapla; Chandra, S. V.; Ray, P.  
K.; Verma, Mahima; Shanker, K.  
CS Ind. Toxicol. Res. Cent., Lucknow, 226 001, India  
SO Toxicol. Lett. (1986), 32(3), 203-8  
CODEN: TOLED5; ISSN: 0378-4274  
DT Journal  
LA English

=> FIL STNGUIDE  
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FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
46.76	46.97

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=> s colostrinin# AND neural  
0 COLOSTRININ#  
0 NEURAL  
L14 0 COLOSTRININ# AND NEURAL

=> s neural  
0 NEURAL  
L15 0 NEURAL

=> s nueral#  
L16 0 NUERAL#

=> s neur#  
L17 0 NEUR#

=> s neuro#  
L18 0 NEURO#

=> s neurological  
0 NEUROLOGICAL  
L19 0 NEUROLOGICAL

=> end  
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF  
LOGOFF? (Y)/N/HOLD:n

=> file caplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.24	47.21

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FILE COVERS 1907 - 8 Aug 2002 VOL 137 ISS 6  
FILE LAST UPDATED: 7 Aug 2002 (20020807/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s neuro#  
L20 83516 NEURO#

=> s L20 AND prp  
3775 PRP  
209 PRPS  
3861 PRP  
(PRP OR PRPS)  
L21 172 L20 AND PRP

=> s L21 NOT prion  
3500 PRION  
700 PRIONS  
3590 PRION  
(PRION OR PRIONS)  
L22 12 L21 NOT PRION

=> d 1-12 TI

L22 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2002 ACS  
TI New in vivo and ex vivo models for the experimental study of sheep scrapie: Development and perspectives

L22 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2002 ACS  
TI Protective effect of a new hypothalamic peptide against cobra venom and trauma-induced neuronal injury

L22 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2002 ACS  
TI Effects of proline-rich peptide derived from neurophysin-II on caspases of murine neuroblastoma: evidence for caspase-2 and -6 activation

L22 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2002 ACS  
TI Comparison of the protection against neuronal injury by hypothalamic peptides and by dexamethasone

L22 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2002 ACS  
TI Protection against snake venom-induced neuronal injury by the new hypothalamic neurohormone

L22 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2002 ACS

TI Distribution of prolactin-releasing peptide-immunoreactive neurons in the rat hypothalamus

L22 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2002 ACS

TI Regulation of taurine biosynthesis and its physiological significance in the brain

L22 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2002 ACS

TI Evidence for an alternative direct route of access for the scrapie agent to the brain bypassing the spinal cord

L22 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2002 ACS

TI Characterization of neuronal protein phosphatases in Aplysia californica

L22 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2002 ACS

TI Protein phosphatases and their role in control of membrane currents in Aplysia neurons

L22 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2002 ACS

TI Microcystin-LR, a potent protein phosphatase inhibitor, prolongs the serotonin- and cAMP-induced currents in sensory neurons of Aplysia californica

L22 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2002 ACS

TI Endosulfan induced inhibition of 3H-5-hydroxytryptamine uptake in platelets

=> s neuro#

L23 83516 NEURO#

=> s L23 AND colo#

380577 COLO#

L24 544 L23 AND COLO#

=> s L24 AND growth

1004416 GROWTH

3862 GROWTHS

1006476 GROWTH

(GROWTH OR GROWTHS)

L25 42 L24 AND GROWTH

=> s L24 AND neurite

6143 NEURITE

3290 NEURITES

7852 NEURITE

(NEURITE OR NEURITES)

L26 3 L24 AND NEURITE

=> d 1-3 TI

L26 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS

TI Tau blocks traffic of organelles, neurofilaments, and APP vesicles in neurons and enhances oxidative stress

L26 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

TI Human fibroblast growth factor-20 nucleic acids and polypeptides

L26 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

TI Chemical signaling from colonic smooth muscle cells to DRG neurons in culture

=> s L24 NOT colonic

11377 COLONIC



5 COLONICS  
11382 COLONIC  
(COLONIC OR COLONICS)

L27 464 L24 NOT COLONIC

=> s L27 AND colostr#  
25 COLOSTR#  
L28 0 L27 AND COLOSTR#

=> s L27 AND colostrum  
4871 COLOSTRUM  
34 COLOSTRUMS  
4874 COLOSTRUM  
(COLOSTRUM OR COLOSTRUMS)  
L29 1 L27 AND COLOSTRUM

=> d 1 TI

L29 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS  
TI Medical devices; exemption from premarket notification requirements; class  
I devices; technical amendment

=> end

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LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

22.40

69.61

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